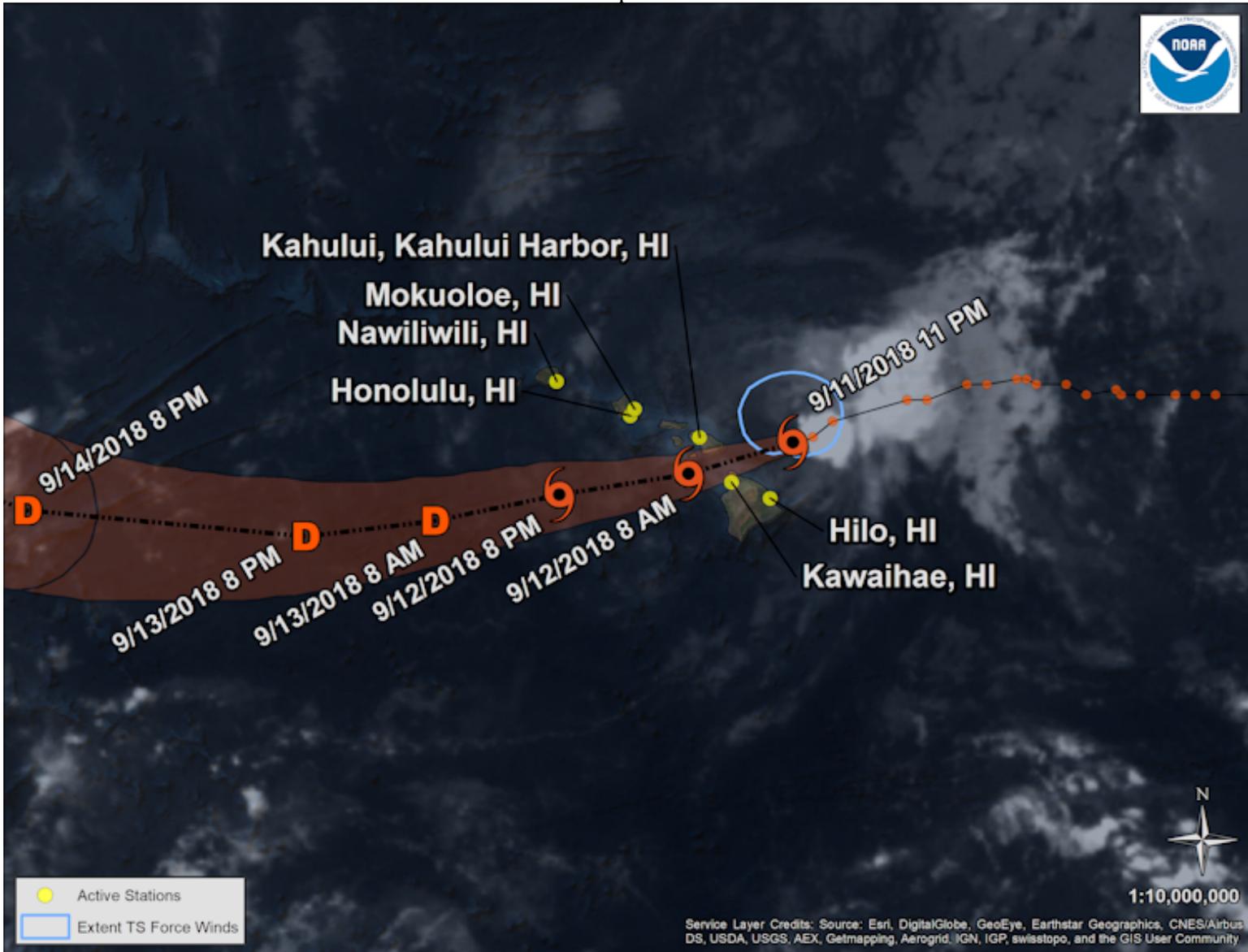




Tropical Storm Olivia QuickLook
Posted: 00:00 HST 09/12/2018

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/12/2018 00:00 HST, water levels across the Hawaiian Islands remain slightly elevated and range between 0.3 and 0.8 feet above normal tide levels. Winds have begun to increase at Hilo, Kahului and Mokuoloe where winds are now measuring between 15 and 25 knots with slightly higher gusts. A gust over 35 knots was recorded at Hilo over the past few hours. Barometric pressure is slowly falling at stations on the island of Hawai'i but is steady elsewhere.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

Please note that at the time of this posting, observations at Hilo, HI are not updating.

For additional real-time and historical inundation information for select stations affected by this storm, please visit Coastal Inundation Dashboard. For additional data, please see the Center for Operational Oceanographic Products & Services website.

For more information or archived products and reports, please visit the Storm QuickLook Homepage.

Analyst: PFF

Select Central Pacific Hurricane Center Advisory Information:

BULLETIN

Tropical Storm Olivia Advisory Number 47

NWS Central Pacific Hurricane Center Honolulu HI EP172018

1100 PM HST Tue Sep 11 2018

...SLOW-MOVING OLIVIA LURKING JUST EAST OF MAUI...

SUMMARY OF 1100 PM HST...0900 UTC...INFORMATION

LOCATION...20.8N 154.6W

ABOUT 125 MI...200 KM E OF KAHULUI HAWAII

ABOUT 215 MI...345 KM E OF HONOLULU HAWAII

MAXIMUM SUSTAINED WINDS...45 MPH...75 KM/H

PRESENT MOVEMENT...WSW OR 250 DEGREES AT 8 MPH...13 KM/H

MINIMUM CENTRAL PRESSURE...1005 MB...29.68 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning for Kauai and Niihau is discontinued.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...

* Oahu

* Maui County...including the islands of Maui, Molokai, Lanai, and Kahoolawe

* Hawaii County

Interests in the Northwest Hawaiian Islands should monitor the progress of Olivia.

A Tropical Storm Warning means that tropical storm conditions are expected somewhere in the warning area.

For storm information specific to your area, please monitor products issued by the National Weather Service office in

Honolulu Hawaii.

DISCUSSION AND OUTLOOK

At 1100 PM HST (0900 UTC), the center of Tropical Storm Olivia was located near latitude 20.8 North, longitude 154.6 West. Olivia is moving toward the west-southwest near 8 mph (13 km/h). A general west-southwest motion and a gradual increase in forward speed is expected overnight as the center of Olivia approaches Maui and the Big Island. After Olivia moves past the islands, a somewhat faster west-southwest motion is expected to resume and continue for the next couple of days.

Maximum sustained winds are near 45 mph (75 km/h) with higher gusts. Some weakening is forecast during the next 48 hour, but Olivia is expected to remain a tropical storm for the next day or so.

Tropical-storm-force winds extend outward up to 90 miles (150 km) from the center, mainly to the north of the center.

The estimated minimum central pressure is 1005 mb (29.68 inches).

HAZARDS AFFECTING LAND

WIND: Tropical storm conditions are expected over portions of Maui County and the Big Island overnight and Wednesday. Tropical storm conditions are expected to begin over Oahu early Wednesday. Remember that wind gusts can be much stronger near higher terrain, and in the upper floors of high-rise buildings. Winds can also be especially gusty through gaps between mountains and where winds blow downslope.

RAINFALL: Showers will continue to increase over portions of the main Hawaiian Islands tonight and Wednesday. Olivia is expected to produce total rainfall accumulations of 5 to 10 inches in some areas, with isolated maximum amounts of 15 inches possible, especially in higher terrain. This rainfall may produce life-threatening flash flooding.

SURF: Large swells generated by Olivia will impact the main Hawaiian Islands over the next couple of days. This will result in dangerously high and potentially damaging surf, mainly along exposed east facing shores.

NEXT ADVISORY

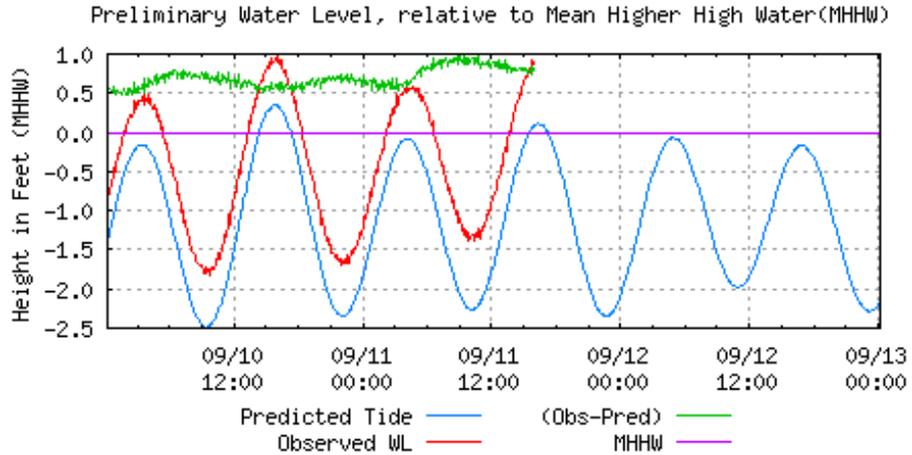
Next intermediate advisory at 200 AM HST.
Next complete advisory at 500 AM HST.

\$\$
Forecaster Birchard

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

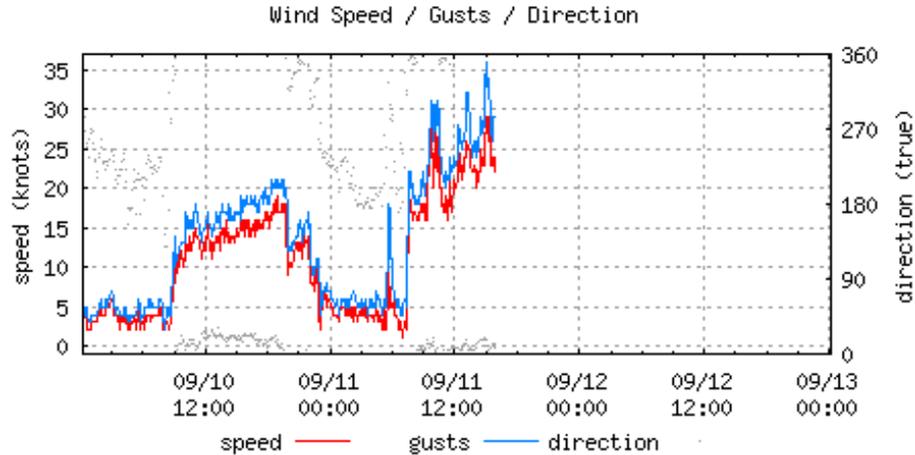
Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#)

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



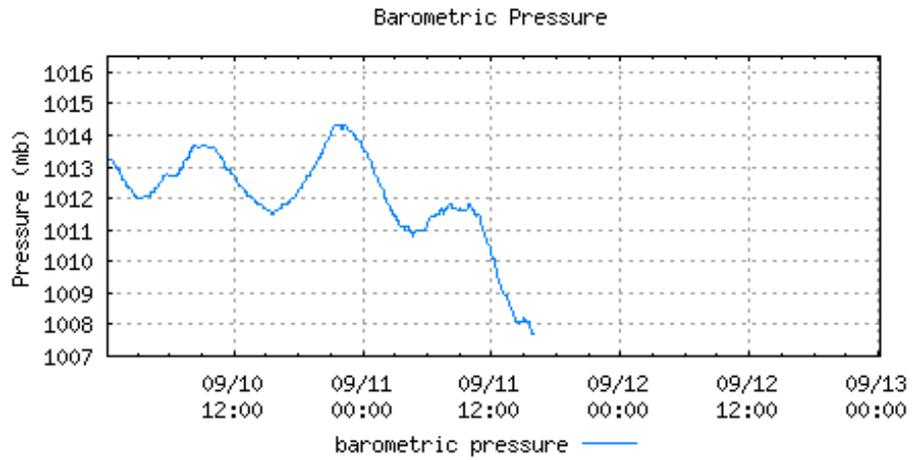
Last Observed Sample: 09/11/2018 15:54 (HST). Data relative to MHHW
Observed: 0.86 ft. Predicted: 0.07 ft. Residual: 0.79 ft.
 Historical Maximum Water Level: Jul 24 2017, 1.54 ft.
 Next High Tide: 09/11/2018 16:22 (HST), 0.11 ft.

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 09/11/2018 15:54 (HST)
Wind Speed: 22 knots Gusts: 29 knots Direction: 7° T

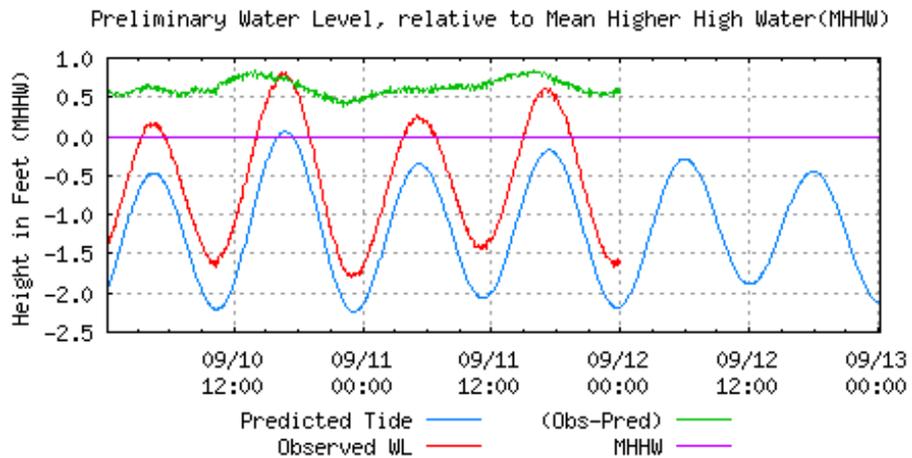
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI



Last Observed Sample: 09/11/2018 15:54 (HST)

Barometric Pressure: 1007.7 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



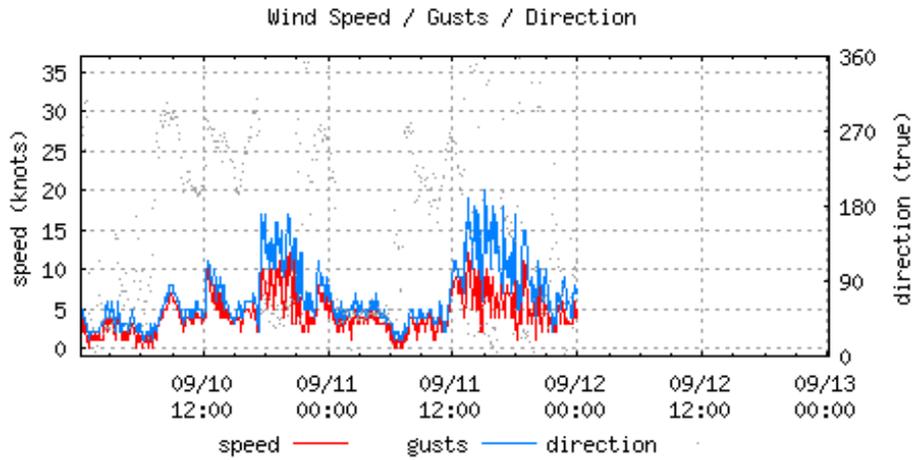
Last Observed Sample: 09/11/2018 23:54 (HST). Data relative to MHHW

Observed: -1.63 ft. Predicted: -2.19 ft. Residual: 0.56 ft.

Historical Maximum Water Level: Dec 15 2016, 1.33 ft.

Next High Tide: 09/12/2018 06:00 (HST), -0.29 ft.

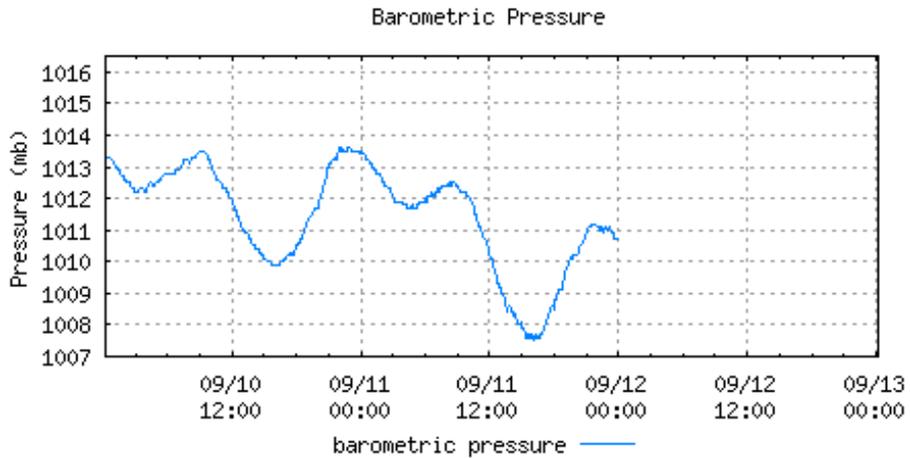
NOAA/NOS/CO-OPS 1617433 Kawaihae, HI



Last Observed Sample: 09/11/2018 23:54 (HST)

Wind Speed: 4 knots Gusts: 7 knots Direction: 112° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

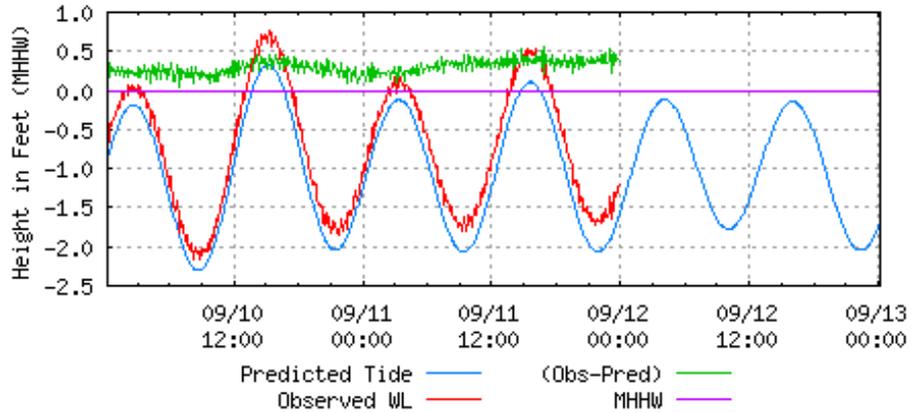


Last Observed Sample: 09/11/2018 23:54 (HST)

Barometric Pressure: 1010.7 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 09/11/2018 23:54 (HST). Data relative to MHHW

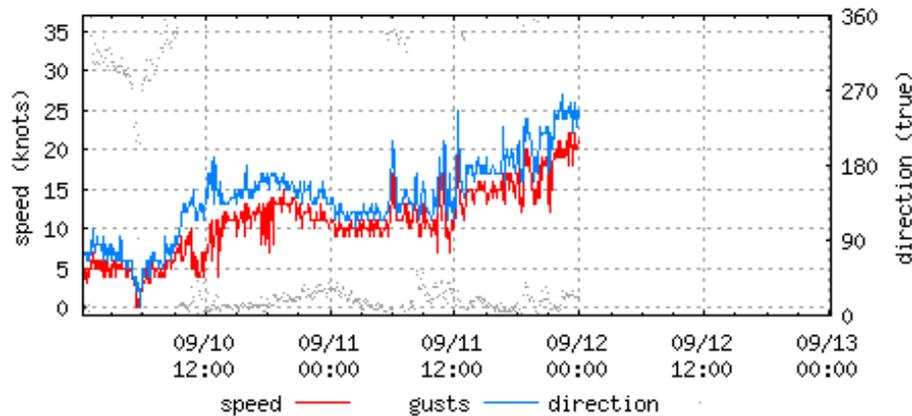
Observed: -1.21 ft. Predicted: -1.60 ft. Residual: 0.39 ft.

Historical Maximum Water Level: Aug 21 2017, 1.33 ft.

Next High Tide: 09/12/2018 04:06 (HST), -0.11 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

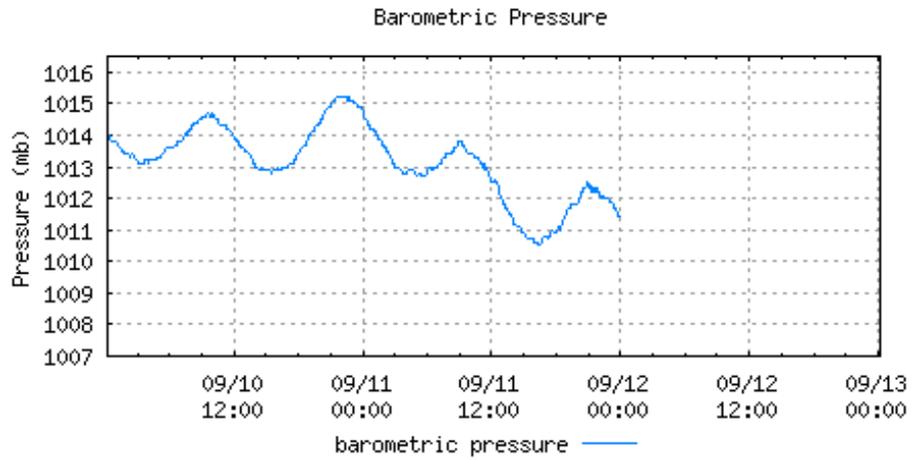
Wind Speed / Gusts / Direction



Last Observed Sample: 09/11/2018 23:54 (HST)

Wind Speed: 21 knots Gusts: 25 knots Direction: 23° T

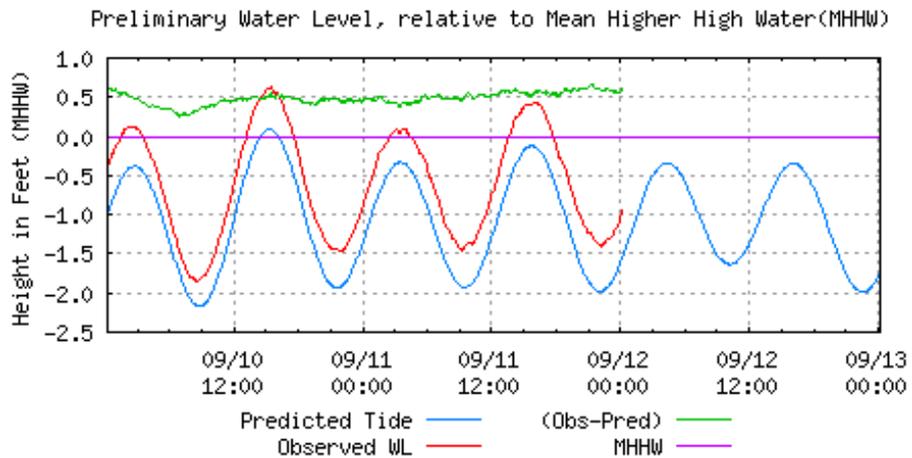
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI



Last Observed Sample: 09/11/2018 23:54 (HST)

Barometric Pressure: 1011.4 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI



Last Observed Sample: 09/12/2018 00:12 (HST). Data relative to MHHW

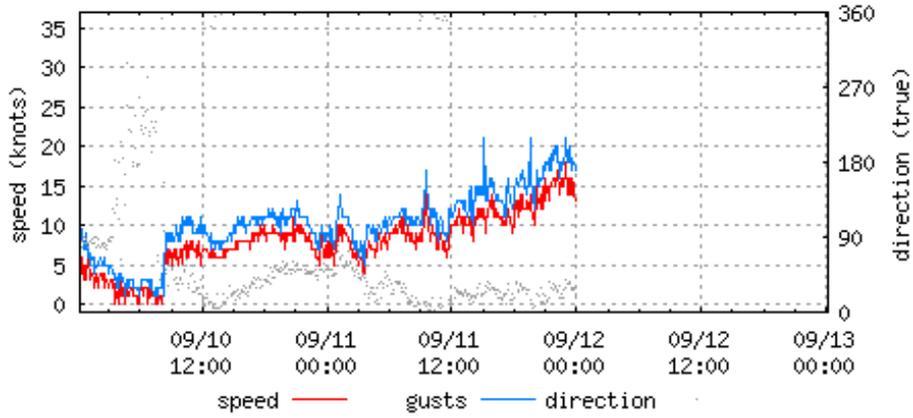
Observed: -0.94 ft. Predicted: -1.55 ft. Residual: 0.61 ft.

Historical Maximum Water Level: Aug 21 2017, 1.47 ft.

Next High Tide: 09/12/2018 04:20 (HST), -0.34 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

Wind Speed / Gusts / Direction

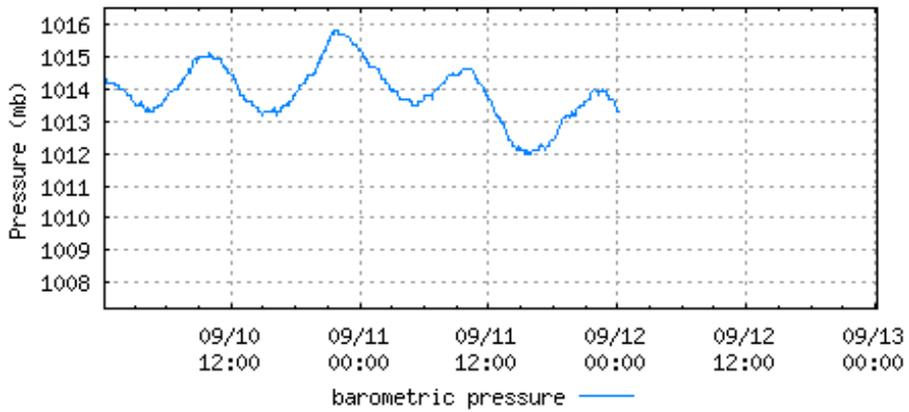


Last Observed Sample: 09/12/2018 00:12 (HST)

Wind Speed: 13 knots Gusts: 17 knots Direction: 23° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

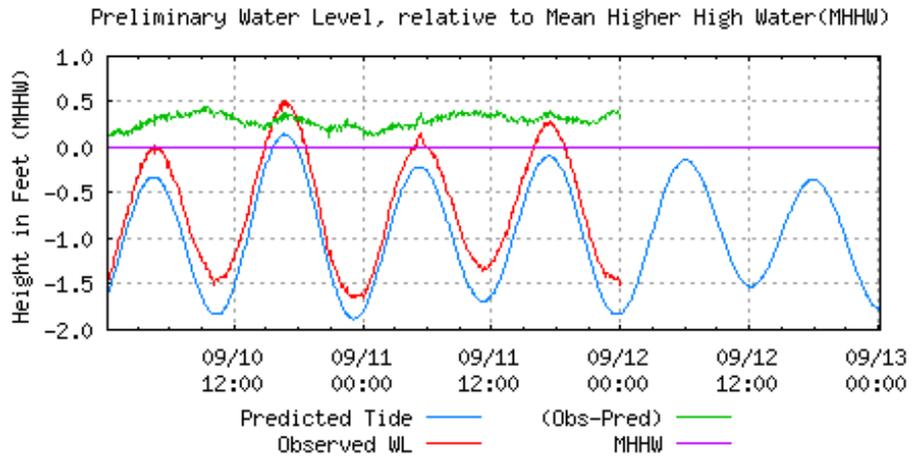
Barometric Pressure



Last Observed Sample: 09/12/2018 00:12 (HST)

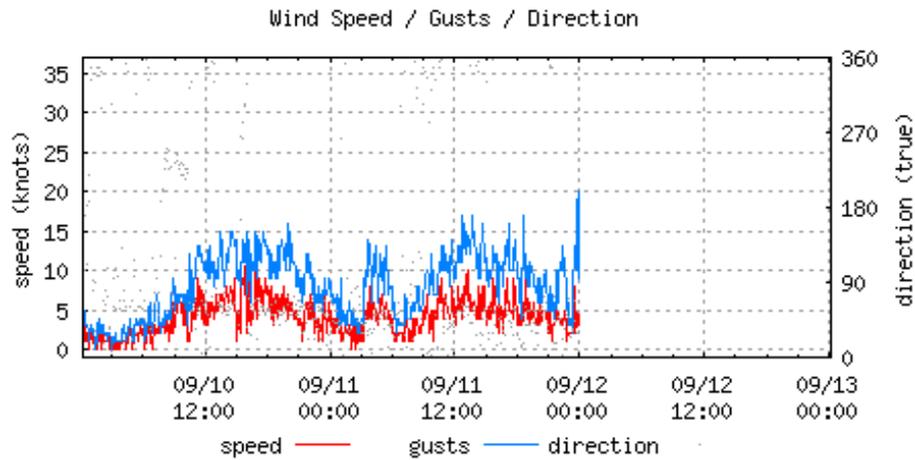
Barometric Pressure: 1013.3 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



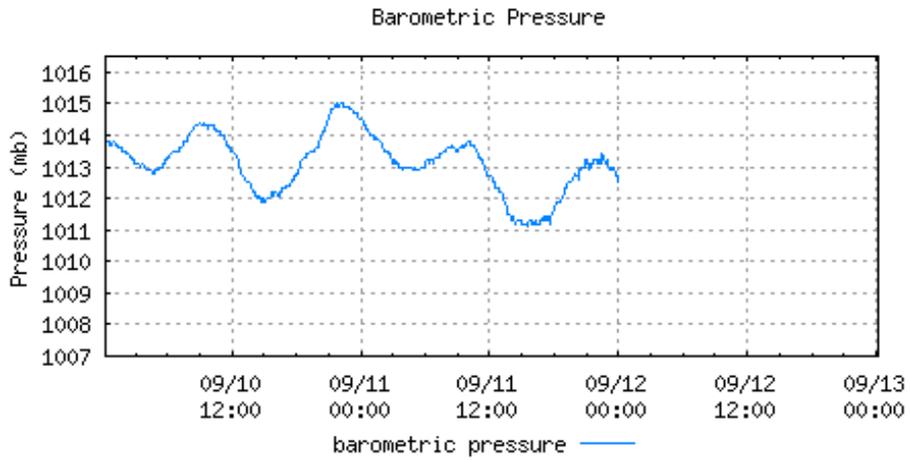
Last Observed Sample: 09/12/2018 00:00 (HST). Data relative to MHHW
Observed: -1.47 ft. Predicted: -1.82 ft. Residual: 0.35 ft.
 Historical Maximum Water Level: Sep 11 1992, 1.47 ft.
 Next High Tide: 09/12/2018 06:04 (HST), -0.14 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/12/2018 00:00 (HST)
Wind Speed: 3 knots Gusts: 9 knots Direction: 53° T

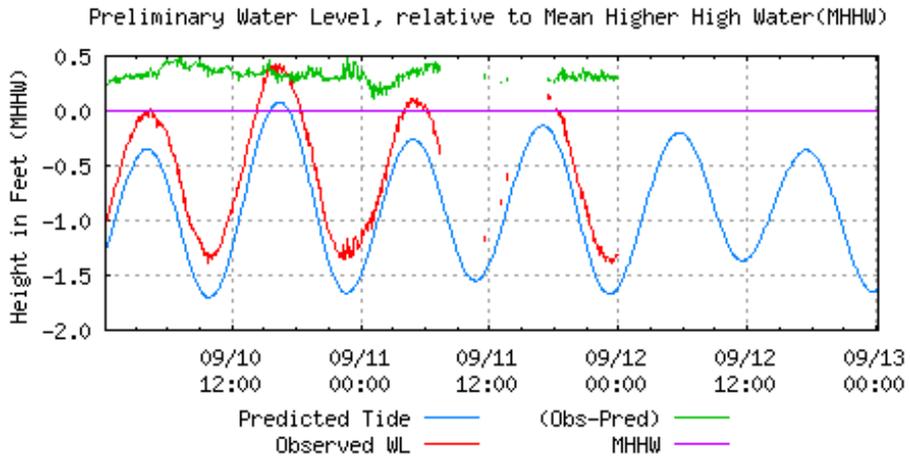
NOAA/NOS/CO-OPS 1612340 Honolulu, HI



Last Observed Sample: 09/12/2018 00:00 (HST)

Barometric Pressure: 1012.5 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI



Last Observed Sample: 09/12/2018 00:12 (HST). Data relative to MHHW

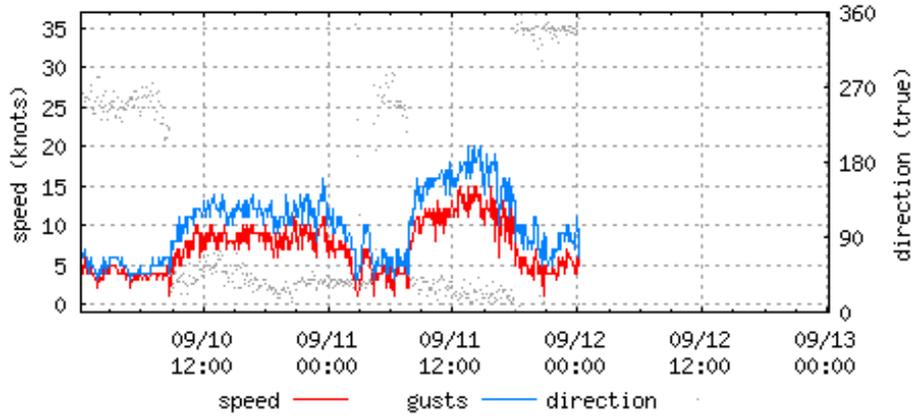
Observed: -1.32 ft. Predicted: -1.62 ft. Residual: 0.30 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 09/12/2018 05:41 (HST), -0.20 ft.

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Wind Speed / Gusts / Direction

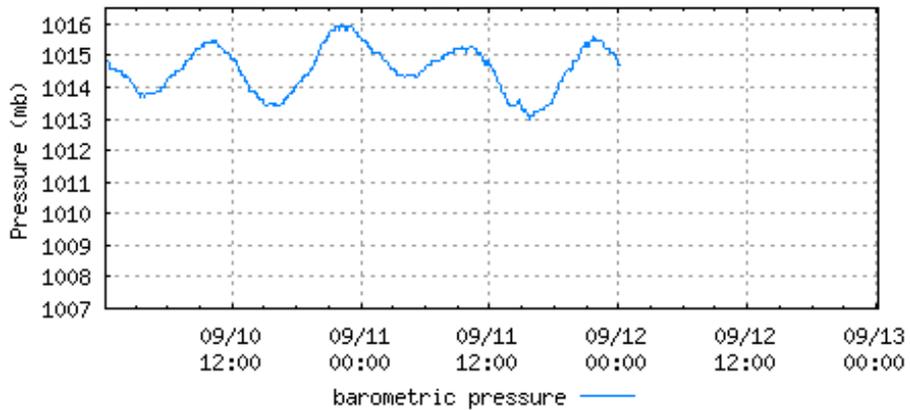


Last Observed Sample: 09/12/2018 00:12 (HST)

Wind Speed: 5 knots Gusts: 6 knots Direction: 10° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Barometric Pressure



Last Observed Sample: 09/12/2018 00:12 (HST)

Barometric Pressure: 1014.7 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	09/11/2018 15:54 (HST)	0.86 ft	0.07 ft	0.79 ft	0.96 ft
1617433	Kawaihae, HI	09/11/2018 23:54 (HST)	-1.63 ft	-2.19 ft	0.56 ft	0.61 ft
1615680	Kahului, Kahului Harbor, HI	09/11/2018 23:54 (HST)	-1.21 ft	-1.60 ft	0.39 ft	0.54 ft
1612480	Mokuoloe, HI	09/12/2018 00:12 (HST)	-0.94 ft	-1.55 ft	0.61 ft	0.43 ft
1612340	Honolulu, HI	09/12/2018 00:00 (HST)	-1.47 ft	-1.82 ft	0.35 ft	0.30 ft
1611400	Nawiliwili, HI	09/12/2018 00:12 (HST)	-1.32 ft	-1.62 ft	0.30 ft	0.44 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce